

Title (en)  
AQUEOUS DEVELOPABLE, RADIATION CURABLE COMPOSITION

Publication  
**EP 0287019 A3 19900711 (EN)**

Application  
**EP 88105754 A 19880412**

Priority  
US 3903487 A 19870416

Abstract (en)  
[origin: EP0287019A2] An aqueous developable, radiation curable composition comprising (1) a carboxylic acid containing reaction product of a styrene-maleic anhydride copolymer and a hydroxy (meth)acrylate of the formula: <CHEM> wherein R is alkyl, alkyl ester or alkyl ether containing 2-20 carbon atoms and R1 is H or CH3, the mole ratio of the hydroxy (meth)acrylate to the anhydride in the styrene-maleic anhydride copolymer being in the range 0.8 - 1.0; (2) an ethylenically unsaturated, reactive diluent of the formula: <CHEM> wherein R2 is H or CH3, R3 is an organic moiety and n is 1 or more; and, optionally, (3) a photoinitiator for (1) and (2). The exposure of the composition optionally also with a thiol to UV or high energy ionizing radiation results in aqueous, developable printing plates and photoresists.

IPC 1-7  
**C08F 267/06**; **C08F 2/46**; **C08F 8/14**; **C08F 299/00**; **G03F 7/10**; **H05K 3/00**

IPC 8 full level  
**C08G 75/00** (2006.01); **C08F 2/46** (2006.01); **C08F 8/14** (2006.01); **C08F 267/06** (2006.01); **C08F 290/12** (2006.01); **G03F 7/027** (2006.01); **G03F 7/032** (2006.01)

CPC (source: EP KR)  
**C08F 8/14** (2013.01 - EP); **C08F 267/06** (2013.01 - EP); **C08F 290/12** (2013.01 - EP); **G03F 7/025** (2013.01 - KR); **G03F 7/0275** (2013.01 - EP); **G03F 7/032** (2013.01 - EP); **C08F 2810/20** (2013.01 - EP)

Citation (search report)  
• [Y] US 4120721 A 19781017 - KETLEY ARTHUR DONALD, et al  
• [YP] US 4722947 A 19880202 - THANAWALLA CHANDRAKANT B [US], et al  
• [A] US 3950569 A 19760413 - MORGAN CHARLES R  
• [A] US 3767398 A 19731023 - MORGAN C  
• [AD] US 4415651 A 19831115 - PROSKOW STEPHEN [US]  
• [AD] US 4008341 A 19770215 - KEHR CLIFTON L

Cited by  
EP0839839A3; US5821016A; EP1792956A1; GB2257711A; GB2257711B; CN105849206A; EP0522376A1; US5254632A; US5114830A; US5153101A; US5286611A; US6214959B1; US6340733B2; WO03093378A1; WO9827121A1; US10407580B2; US11028278B2; US9840635B2

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0287019 A2 19881019**; **EP 0287019 A3 19900711**; BR 8801789 A 19881116; JP S63280245 A 19881117; KR 880013042 A 19881129

DOCDB simple family (application)  
**EP 88105754 A 19880412**; BR 8801789 A 19880414; JP 9188688 A 19880415; KR 880004240 A 19880414